



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT  
PART 1 - SITE INFORMATION AND ASSESSMENT

I. IDENTIFICATION

01 STATE 02 SITE NUMBER

OH D004341509

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) American Cyanamid Company		02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER 1405 Greene Street			
03 CITY Marietta	04 STATE OH	05 ZIP CODE 45750	06 COUNTY Washington	07 COUNTY CODE 167	08 CONG. DIST. 10
09 COORDINATES LATITUDE 39 25 04.2		LONGITUDE 081 25 03.0		Marietta quad. - 157NW	
10 DIRECTIONS TO SITE (Starting from nearest public road) S.R. 7 to Acme St.; N. on Acme to Greene St.; right (NE) on Greene to plant entrance sign (~ 1-1/2 mi.)					

III. RESPONSIBLE PARTIES

01 OWNER (If known) American Cyanamid Company		02 STREET (Business mailing, residential) One Cyanamid Plaza			
03 CITY Wayne	04 STATE NJ	05 ZIP CODE 07470	06 TELEPHONE NUMBER 609-831-2000		
07 OPERATOR (If known and different from owner)		08 STREET (Business mailing, residential)			
09 CITY	10 STATE	11 ZIP CODE	12 TELEPHONE NUMBER ( )		
13 TYPE OF OWNERSHIP (Check one) <input checked="" type="checkbox"/> A PRIVATE <input type="checkbox"/> B. FEDERAL (Agency name) <input type="checkbox"/> C. STATE <input type="checkbox"/> D. COUNTY <input type="checkbox"/> E. MUNICIPAL <input type="checkbox"/> F. OTHER (Specify) <input type="checkbox"/> G. UNKNOWN					

14 OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

☒ A RCRA 3001 DATE RECEIVED 8/18/80 MONTH DAY YEAR ☒ B UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED 6/8/81 MONTH DAY YEAR ☐ C NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION <input checked="" type="checkbox"/> YES DATE 8/18/80 MONTH DAY YEAR <input type="checkbox"/> NO		BY (Check all that apply) <input type="checkbox"/> A EPA <input type="checkbox"/> B EPA CONTRACTOR <input type="checkbox"/> C. STATE <input type="checkbox"/> D. OTHER CONTRACTOR <input type="checkbox"/> E. LOCAL HEALTH OFFICIAL <input type="checkbox"/> F. OTHER (Specify) CONTRACTOR NAME(S)			
02 SITE STATUS (Check one) <input checked="" type="checkbox"/> A ACTIVE <input type="checkbox"/> B INACTIVE <input type="checkbox"/> C UNKNOWN		03 YEARS OF OPERATION 1915 11 BEGINNING YEAR ENDING YEAR <input type="checkbox"/> UNKNOWN			
04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN OR ALLEGED solvents, pesticides, organics, inorganics, acids, bases, heavy metals - toxic, persistent, ignitable					
05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION Groundwater (Env./Pop); Surface water (Pop./Env.)					

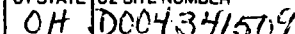
V. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2. Waste Information and Part 3. Description of Hazardous Conditions and Incidents)  
☐ A HIGH (Inspection required promptly) ☐ B MEDIUM (Inspection required) ☐ C LOW (Inspect on time available basis) ☐ D NONE (No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT Marilyn McCoy Zumbro		02 OF (Agency/Organization) Ohio EPA OEDD		03 TELEPHONE NUMBER (614) 385-8521	
04 PERSON RESPONSIBLE FOR ASSESSMENT Marilyn McCoy Zumbro		05 AGENCY	06 ORGANIZATION	07 TELEPHONE NUMBER ( )	08 DATE 12/4/84 MONTH DAY YEAR





## EPA FORM 2070-12 (7-81)



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE OH 02 SITE NUMBER D004341509

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 <input checked="" type="checkbox"/> A GROUNDWATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED	02 <input checked="" type="checkbox"/> OBSERVED (DATE 6/11/84) 04 NARRATIVE DESCRIPTION Site underlain by silty clays. Bedrock is shale + sandstone. GW contamination confirmed and facility continuing monitoring. No known drinking water wells affected.	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
01 <input checked="" type="checkbox"/> B SURFACE WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION Chloroform detected in Duck Creek, trib to Ohio River. Contaminated ground water may be entering Duck Creek. Leachate observed in ditch along Hunter Avenue.	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> C CONTAMINATION OF AIR 03 POPULATION POTENTIALLY AFFECTED	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> D FIRE/EXPLOSIVE CONDITIONS 03 POPULATION POTENTIALLY AFFECTED	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> E DIRECT CONTACT 03 POPULATION POTENTIALLY AFFECTED	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
01 <input checked="" type="checkbox"/> F CONTAMINATION OF SOIL 03 AREA POTENTIALLY AFFECTED	02 <input checked="" type="checkbox"/> OBSERVED (DATE 12/83) 04 NARRATIVE DESCRIPTION Chlorobenzene (up to 37000 ppb) + 1,2-Dichloroethane (up to 63000 ppb) detected in soil borings.	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
01 <input checked="" type="checkbox"/> G DRINKING WATER CONTAMINATION 03 POPULATION POTENTIALLY AFFECTED	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION Leachate may enter Duck Creek, a trib. to the Ohio River. Ground water is affected on site (see A)	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
01 <input type="checkbox"/> H WORKER EXPOSURE/INJURY 03 WORKERS POTENTIALLY AFFECTED	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION	<input type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED
01 <input checked="" type="checkbox"/> I POPULATION EXPOSURE/INJURY 03 POPULATION POTENTIALLY AFFECTED	02 <input type="checkbox"/> OBSERVED (DATE _____) 04 NARRATIVE DESCRIPTION Ground water discharges to Duck Creek, a trib. to the Ohio River. Potential exposure through recreational + fishing use of River (bioaccumulative compounds).	<input checked="" type="checkbox"/> POTENTIAL <input type="checkbox"/> ALLEGED

\* HRS documentation



POTENTIAL HAZARDOUS WASTE SITE  
PRELIMINARY ASSESSMENT

PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION

01 STATE 02 SITE NUMBER  
OH 0004341509

II. HAZARDOUS CONDITIONS AND INCIDENTS (Continued)

01 ☒ J. DAMAGE TO FLORA  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

see F + L

01 ☒ K. DAMAGE TO FAUNA  
04 NARRATIVE DESCRIPTION (Include name(s) of species)

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

see L

01 ☒ L. CONTAMINATION OF FOOD CHAIN  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☒ POTENTIAL

☐ ALLEGED

Potentially bioaccumulative contaminants <sup>in the groundwater</sup> may be entering the aquatic food chain when discharged to Duck Creek

01 ☒ M. UNSTABLE CONTAINMENT OF WASTES  
(Spills/runoff/standing liquids/leaking drums)

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☒ ALLEGED

03 POPULATION POTENTIALLY AFFECTED

04 NARRATIVE DESCRIPTION

Drummed wastes disposed in old landfill. Landfill not lined or properly closed

01 ☐ N. DAMAGE TO OFFSITE PROPERTY  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

01 ☒ O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs  
04 NARRATIVE DESCRIPTION

02 ☒ OBSERVED (DATE 10/83)

☐ POTENTIAL

☐ ALLEGED

Sampling of POTW influent, effluent, + WWTP sludge confirmed contamination w/ compounds like chloromethane + chlorobenzene.

01 ☐ P. ILLEGAL/UNAUTHORIZED DUMPING  
04 NARRATIVE DESCRIPTION

02 ☐ OBSERVED (DATE \_\_\_\_\_)

☐ POTENTIAL

☐ ALLEGED

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

III. TOTAL POPULATION POTENTIALLY AFFECTED: \_\_\_\_\_

IV. COMMENTS

Site has RCRA (impoundments) + pre-RCRA (landfill + storage pad) contamination. Planned capping of landfill and processing of Part B permit is addressing the contamination problems.

V. SOURCES OF INFORMATION (Cite specific references, e.g. state files, sample analysis, reports)

ERM, Inc. hydrogeologic investigation; American Cyanamid Part B permit application; USEPA report "Assessment of Organic Chemical Discharges to the Marietta, OH POTW" prepared 9/21/84 by JRB Associates

PRELIMINARY ASSESSMENT REVIEW

American Cyanamid Company  
1405 Greene Street  
Marietta, Ohio 45750

OHD004341509

This facility is a manufacturer of dye intermediates and batch specialty organic chemicals. It is located within the city limits of Marietta on the banks of Duck Creek, a tributary to the Ohio River. The company has operated at this site since 1915.

On site are two RCRA regulated surface impoundments and a pre-RCRA landfill. In 1979, the company began an investigation of groundwater contamination at the site. High levels of dichloroethane, chlorobenzene, and nitrobenzene as well as other listed solvents have been detected in the monitoring wells.

The facility's Part B permit application is currently under review. The permit process will include continuing groundwater monitoring. At Ohio EPA's request, the company has also submitted a plan for capping the old landfill to eliminate and/or control leachate problems. The final closure of the landfill is projected for sometime in the Fall of 1985.

No FIT activities are requested at this time (low to medium priority). A continuing high priority for state involvement is recommended. (FIT inspection not recommended at this time.)

Submitted by:

*Marilyn McCoy-Zumbro*

Marilyn McCoy-Zumbro  
December 6, 1984

Review by:

*Stephan L. Hamlin*

Stephan L. Hamlin, P.E.  
Unit Supervisor  
Division of Solid & Hazardous Waste Management  
Southeast District Office

RECEIVED  
OHIO EPA

DEC 7 1984

DIV. of SOLID & HAZ. WASTE MGT

*PA*  
*SE*  
*Done 8/3/02*  
*8/3/12*  
*Med*  
*in part*  
*dependent on*  
*RCRA actions and*  
*OEPA actions*  
*1-10-85*